VALVE TRAI	N AND CYLIND	ER HEAD	D COMPONENTS
DESCRIPTION	PART NUMBER	QTY. REQ.	COMMENTS
Engine Ser	ial # 7Y 1 - Up (S	hort Valve	e) G6X 1 - Up
Valve , Exhaust	2W2877	6	Short Style 5.470"
Valve, Intake	2W2621	6	Short Style 5.470"
Guide, Intake & Exhaust	4W9176	12	With Correct Serial and Arrangement #'s
Guide, Intake & Exhaust	7E1551	12	With Correct Serial and Arrangement #'s
Insert, Valve Seat Exhaust	7N1649	6	
Insert, Valve Seat Intake	5S7218	6	7Y 1 - 283
Insert, Valve Seat Intake	1070268	6	7Y 284 - Up
Valve Lock	2A4429	24	
Rotocoil	1031800	12	Turbocharged
Rotocoil	1W5300	12	Natural Aspirated (Includes 6N7174)
Shield	6N7174	12	
Nut, Rocker Arm Adjusting	1B4203	12	
Spring, Valve	7S7144	12	
Valve Lifter	7S3161	12	
Water Director Seal Ring	9Y1798	18	
Water Director Seal Ring	7N8018	6	
Plug, Cup	3B0623	6	
Spark Plug Adapter	7N1743	6	
Spark Plug Adapter Gasket	2N7174	6	Metal Gasket
Spark Plug Adapter Seal	7S3206	6	
Eng	gine Serial # 7Y 1 -	Up (Lon	g Valve)
Valve , Exhaust	7W7491	6	Long Style 6.400"
Valve, Intake	7W7490	6	Long Style 6.400"
Guide, Intake & Exhaust	9Y7895	12	
Intake Valve Guide Seal	7W9143	6	7Y 2856 - Up
Spacer, Valve Guide	7W7488	12	
Insert, Valve Seat Exhaust	7N1649	6	
Insert, Valve Seat Intake	5S7218	6	7Y 1 - 283
Insert, Valve Seat Intake	1070268	6	7Y 284 - Up
Valve Lock	2A4429	24	
Rotocoil	1031800	12	Turbocharged
Rotocoil	1W5300	12	Natural Aspirated (Includes 6N7174)
Shield	6N7174	12	
Spring, Valve	7S7144	12	
Valve Lifter	7S3161	12	
Water Director Seal Ring	9Y1798	18	7Y 2079 - Up
Plug, Cup	3B0623	6	
Spark Plug Adapter	7N1743	6	
Spark Plug Adapter Gasket	2N7174	6	Metal Gasket
Spark Plug Adapter Seal	7S3206	6	

GAGRET	GASKET SETS AND MISCELLANEOUS GASKETS						
DESCRIPTION	PART NUMBER	QTY. REQ.	COMMENTS				
Overhaul Gasket Set	306341	1	7Y 1 - Up Turbocharged				
Overhaul Gasket Set	306351	1	7Y 1 - Up Non Turbocharged				
In Frame Overhaul Set	306342	1	7Y 1 - Up Turbocharged				
In Frame Overhaul Set	306352	1	7Y 1 - Up Non Turbocharged				
Cylinder Head Gasket Set	306343	1	7Y 1 - Up Turbocharged				
Cylinder Head Gasket Set	306353	1	7Y 1 - Up Non Turbocharged				
Oil Pan Gasket	1694199	1	Sump to Plate				
Oil Pan Plate Gasket	1694200	1	Plate to Cylinder Block				
	1034200						
Valve Cover Gasket, Cork	8S1605	1	If Long Valves Order 1 Additiona				
Valve Cover Seal, Molded	1331247	1	If Long Valves Order 1 Additiona				
ENG	SINE BEARINGS	S AND BU	ISHINGS				
Main Bearing Standard	2323233	7					
Main Bearing .010"	8N8225	A/R					
Main Bearing .020"	8N8226	A/R					
Main Bearing .030"	8N8227	A/R					
Rod Bearing Standard	4W5739	6					
Rod Bearing .010"	8N8221	A/R					
Rod Bearing .020"	8N8222	A/R					
Rod Bearing .030"	8N8223	A/R					
Thrust Plate	6N8940	2	.185 " Thick 7Y 1 - 290				
Thrust Plate	9\$3037	2	.232 " Thick				
Thrust Plate	1003652	2	.215 " Thick 7Y 291 - Up G6X 1 -				
Cam Bearing	7M4046	4					
Cam Bearing	9M5477	1					
Bushing, Connecting Rod	8N0702	6	Straight Rod 7Y 1 - 437				
Bushing, Connecting Rod	8N1985	6	Tapered Rod 7Y 238 - Up G6X 1 -				
	0						
CYL	INDER KITS AN		ONENTS				
Piston and Liner Assembly	PLG4P2654	6	10.5 : 1 CR				
Piston and Liner Assembly	PLG4P2655	6	8.1 : 1 CR				
Diaton Dadia	400054	-	40.5 - 4.00				
Piston Body	4P2654	6	10.5 : 1 CR				
Piston Body	4P2655	6	8.1 : 1 CR				
Ring Group	3300RS5	6	1 Each 4P2656, 4P2657, 4P265				
·	00001100		,,,,				

CYLINDER KITS AND COMPONENTS Continued				
DESCRIPTION	PART NUMBER	QTY. REQ.	COMMENTS	
Liner, Cylinder	1105800	6		
Pin, Piston	7N9804	6	1.50" Pin	
Retainer, Piston Pin	9H4015	12		
	ED0760	6		
Gasket Kit (Liner O Rings and Seal)	5P8768 8N1984	6	Includes 3 5S6670 and 1 2W6134	
Connecting Rod Pistons will fi			Tapered Rod, NEW connecting rods	
C00	LING SYSTEN		DNENTS	
Regulator, Water Temperature 175'	1118010	1	175 Degree	
Regulator, Water Temperature 190'	1167577	1	190 Degree	
Gasket, Regulator	7N0944	2		
Water Pump, NEW	1727767	1	With correct serial & arrangement #'s	
Water Pump Overhaul Kit	IPD7055	A/R	See Note	
Water Pump Overhaul Kit	IPD1616	A/R	See Note	
Water Duran Dahuild Kit			ZV 4, 400 with shoth // 4 D0000	
Water Pump Rebuild Kit	1W7054 1W7055	A/R	7Y 1-408 with shaft # 1P9929	
Water Pump Rebuild Kit Water Pump Rebuild Kit	8T1616	A/R A/R	7Y 409 - 1613 - up with shaft # 7N5899 7Y 1614 - up with shaft # 2W7255	
	011010		71 1014 - up with shall # 2007255	
Impeller, Water Pump	7N5910	1	Use With 7N5899 and 2W7255 Shafts	
Seal Group, Water Pump	1313815	1	Use With 8T1616 Kit	
Seal Group, Water Pump	4W3864	1	Use With 1W7054 and 1W7055 Kit	
Seal, Water Pump Oil	8H9520	1	7Y 1-408 with shaft # 1P9929	
Seal, Water Pump Oil	8C5210	1	7Y 409 - Up	
Shaft, Water Pump	2W7255	1	Included in 8T1616 Kit	
Shaft, Water Pump	1P9929	1	Included in 1W7054 Kit	
Shaft, Water Pump	7N5899	1	Included in 1W7055 Kit	
Bearing, Water Pump Drive Gear	1B3867	1		
Bearing, Water Pump Drive Gear	6H3957	1		
			for complete overhaul and mounting.	

OIL SYSTEM COMPONENTS					
DESCRIPTION	PART NUMBER	QTY. REQ.	COMMENTS		
Oil Pump Group	611346	1	New, Double Stage		
Oil Pump Repair Kit	IPD1346RK	1	For 6I1346 Oil Pump		
Shaft, Assembly	8S0493	1			
Shaft, Assembly	2P6245	1			
Gear, Oil Pump	6N1036	2	8 Teeth		
Valve, Pressure Relief	4P3546	1			
Кеу	1B8709	1			
	004504				
Bolt	0S1591	1			
Valve, Pressure Relief	4P3546	1	A / A / A		
	t For Both Single	1	Stage Oil Pumps		
Oil Pump Idler Bushing	1969988	1			
Bearing	8S6511	4			
Idler Bushing	1950302	1			
Oil Pump Idler Shaft	2P1170	1			
	SCELLANEOUS	COMPON	IENTS		
Crankshaft Components	T				
Crankshaft	2W7458	1	New		
Crankshaft Seal, Rear	4W0452	1			
Crankshaft Seal, Front	9Y9895	1			
Crankshaft Wear Sleeve, Rear	2P3858	1			
Plugs	9F2247	6			
Camshaft Components					
Camshaft Kit	4P2942	1	Contains Camshaft and Lifters		
Camshaft	7E9980	1	New		
Lifters	7S3161	12			
Camshaft Lock	8S1491	1			
Cylinder Block Repair					
Sleeve, Counterbore Salvage	5P1622	A/R	" L " Type		